

DYO CHEMICAL FIRE

All POLREP's for this site
(polrep_list.aspx?site_id=3512)

**DYO Chemical
Fire**
**Hutchins, TX - EPA
Region VI**
**POLREP #1 - First
and Final**

Printer Friendly (polrep_printer.aspx?counter=6746) | PDF (polrep_printer.aspx?counter=6746&format=pdf)

On-Scene Coordinator - Mark Hayes
Emergency - Removal Assessment
Start Date: 9/30/2007

10/2/2007
Pollution Report (POLREP) #1
Completion Date: 9/30/2007

404 NOT
FOUND

Site Description

At 0020 hrs on 30 September 2007, EPA-PRB officials activated START-3 contractors to provide air monitoring support to Hutchins Fire Department at a fire at the DYO Chemical Company facility located at 1834 Carpenter Rd, Hutchins, Dallas County, Texas. The cause of the fire is unknown. The fire broke out at approximately 2100 hours on 29 September 2007 in the warehouse area of the facility, which is located in a light industrial and commercial area south of the town of Hutchins. There were no personnel at the facility at the time of the fire. There are no reported injuries. DYO Chemical manufactures shoe polish, cleaners and dyes. They also had a substantial amount of product packing materials on-site. The evacuation of a Federal Correction facility located approximately 100 meter north of the site has been ordered.

The National Response Center (NRC Report # 850314) was notified of the fire and a release of chemicals to the atmosphere at 0105 hrs on 30 September 2007.

Current Activities

START-3 contractors arrived on-site at approximately 0220 hours on 30 September 2007. The Incident Commander for Hutchins Fire Department requested air monitoring for the fire fighting activities and in the areas of Hutchins downwind of the facility, which include the town center and evacuation point for the Federal Corrections facility.

Firefighting activities at this time were limited to putting water on hot spots and determining additional areas of ingress for continued firefighting activities in the interior of the warehouse and packaging area.

START-3 performed air monitoring for Volatile Organic Compounds (VOCs), Carbon Monoxide (CO), Oxygen, Organic Vapors (OV), Ammonia, Chlorine, Phosphine, Odorants, Sulfur Dioxide, Nitrogen Dioxide, Carbon Dioxide, Hydrogen Sulfide, Hydrogen Cyanide, Amines, Hydrides and Lower Explosive Limit (LEL). START-3 also collected monitoring readings for particulates in air.

Levels of the contaminants that were being monitored for in firefighting areas were at or below background or not detected at any concentration. Oxygen concentrations were at 20.9% which is the background level. Levels of contaminants in the areas downwind of the fire were at or below background, except for Organic Vapors, which ranged from 0 parts per million (ppm) to 4.0 ppm. Levels of VOCs ranged from 0 ppm to 2.0 ppm, and CO at levels between 0 ppm to 4 ppm. Particulates ranged from background levels (0.030 ug/m3) to 3.0 ug/m3.

START-3 monitored at the Federal Corrections Facility adjacent to the fire. Levels of contaminants outside were commensurate with levels downwind of the fire, with OV at 4.0 ppm and VOCs at 2.0 ppm. The Federal Inmates had been evacuated to Hutchins Elementary School. These inmates are in the last months of their sentences and are in a pre-release facility.

The Fire was substantially extinguished, however cardboard packing materials continued to smolder and burn, causing smoke to continue to flow towards the north. Winds began picking up at approximately 0330 hrs and shifted from the SSE to the S.

Planned Removal Actions

Firefighting will continue until all packing materials are extinguished and the Dallas County Fire Marshall has been able to inspect the facility. All firefighting water was draining from the site into bar ditches to the south and east of the facility. The City of Hutchins public works constructed an earthen berm downstream of the facility to catch all firefighting water. The water from the ditches eventually drains into the Trinity River in south Dallas County.

Key Issues

Coordination between Local, State and Federal officials.

Lifting of the evacuation order for the Federal Correctional Facility and the return of the inmates to their secured facility.

